

EJOT GmbH & Co. KG

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**What is claimed is:**

- 5 1. Screw provided with self-locking rolled thread (3), wherein, in a plurality of places along its extent, said thread (3) is deformed in relation to the normal thread cross section in that the thread outside diameter (21) is reduced by radial compression of limited thread portions (8 - 12), the area of the thread cross section being substantially identical to that of the undeformed thread  
10 (3), **characterized in that**, while maintaining the slant of the thread flanks (19, 20), the thread cross section is symmetrically widened in the outer region (22, 23) and reduced in the adjoining inner region (24, 25), the transition (26, 27) from the widened to the reduced thread cross section lying approximately in the centre of the respective thread flank, and in that the limited thread portion (8 - 12) extends over two parts of a thread turn (5, 6, 7)  
15 such that there result two symmetrically opposite thread portions (8 - 12) each of approximately 1/6 of the thread turn (5, 6, 7).
2. Screw according to claim 1, characterized in that the limited thread portion  
20 (8 - 12) is provided in a plurality of spatially separate places on the screw, the region of the thread beginning (4) being kept free from the limited thread portion.
3. Screw according to claim 1 or 2, characterized in that the thread turns (5, 6,  
25 7) with limited thread portions (8 -12) are provided in plurality directly adjacent to each other.

4. Screw according to claim 3, characterized in that, in the case of adjacent thread turns (5, 6, 7) with limited thread portions (8 - 12), the latter are offset by  $90^\circ$  in relation to each other from thread turn to thread turn.